



**US Army Corps  
of Engineers®**  
New York District

## **Raritan River Basin Green Brook Sub Basin, NJ Flood Damage Reduction Project**

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### **FACT SHEET**

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**DESCRIPTION:** The Green Brook Sub Basin is located within the Raritan River Basin in north-central New Jersey in the counties of Middlesex, Somerset and Union. It encompasses 13 municipalities and drains approximately 65 square miles of primarily urban and industrialized area. For the majority of the project area, specifically in the Borough of Bound Brook the most damaging flood of record resulted from Tropical Storm Floyd on September 16, 1999. Two deaths were attributed to this flood. Previously, the most damaging flood of record was the August 2, 1973 storm. Six deaths were attributed to this flood. Several injuries occurred and estimates indicate that over 1,000 people were evacuated from their residences. A Feasibility Report was completed in FY 1980. It recommended protection in the lower portion of the Green Brook Sub Basin (Plan E). The project authorized for construction by the Water Resources Act of 1986 provides for basinwide flood protection (Plan A). The project sponsor (State of New Jersey), the Green Brook Flood Control Commission (GBFCC), and local communities support a modified version of Plan A as described in the General Reevaluation Report dated May 1997. The recommended plan includes approximately 14 miles of levees and floodwalls along Green Brook and its tributaries and flood proofing in the lower portion of the project area; two dry detention basins and approximately 2 miles of channel modification in the upper portion of the project area; and approximately 1 mile of channel modification in the Stony Brook portion of the project. Proposed flood protection in the upper portion of the basin consisting of two dry detention basins and approximately 2 miles of channel modification has been deferred at the request of the project sponsor.

**AUTHORIZATION:** This project is authorized for construction in Section 401a of the Water Resources Act of 1986 with the following cost sharing requirements: Local interests will be required to provide lands, easements, rights-of-way, and relocations, pay 25 percent of the total project cost of the recommended plan (of which at least 5 percent is cash), and bear all costs of operation, maintenance, and replacement of flood control facilities.

**STATUS:** The Final General Reevaluation Report (GRR) and Supplemental Environmental Impact Statement (SEIS), dated May 1997 was signed by the Assistant Secretary of the Army (Civil Works) in October 1997. The report recommended flood protection for the Lower Basin and Stony Brook Basin, which has been supported by the project sponsor (New Jersey Department of Environmental Protection). Based on this report and input obtained during the public review period, the State of New Jersey requested that the upper portion of the project be deferred pending additional consideration of alternatives. In FY 1998 an Upper Basin Task Force was formed to evaluate possible alternatives to provide flood protection that will be acceptable to the affected communities within the upper portion of the Green Brook watershed. The Green Brook Upper Basin Task Force submitted its final report dated 12 November 1998. The final Screening Analysis Report of Flood Control Alternatives for the Upper Portion of the Green Brook Sub-Basin was completed in January 2001. A Project Cooperation Agreement was signed 24 June 1999. FY 03 funds are being used to continue engineering and design of the Segment U & R levees in Bound Brook, to complete construction of the Segment T Levee in Bound Brook, to demolish up to 22 homes and 3 businesses in accordance with the LPP in Middlesex Borough, and to initiate flood proofing of up to five structures in the Boroughs of Middlesex and Bound Brook. The 1<sup>st</sup> contract (awarded in September 2000) to begin placement of a temporary bridge, the demolition and construction of a new bridge was completed in October 2002. The 2<sup>nd</sup> contract, the Segment T levee, was awarded on February 15, 2002 and is approximately 75% complete. Demolition of the homes who took advantage of a voluntary buyout is proceeding on a phased approach, with the first five homes demolished in December 2002. Demolition of the second set of homes began in January 2003.

**PROJECT COST:** The estimated cost of the recommended plan is \$366,400,000, including escalation for inflation during the estimated construction period of 12 years. The Federal and non-Federal costs are \$274,800,000 and \$91,600,000, respectively.

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